

Title (en)

DEVICE AND METHOD FOR THE THERMAL TREATMENT OF AN EXHAUST-GAS FLOW

Title (de)

VORRICHTUNG UND VERFAHREN ZUR THERMISCHEN BEHANDLUNG EINES ABGASSTROMS

Title (fr)

DISPOSITIF ET PROCEDE DE TRAITEMENT THERMIQUE D'UN FLUX DE GAZ D'ECHAPPEMENT

Publication

**EP 1957769 B1 20110525 (DE)**

Application

**EP 06818941 A 20061201**

Priority

- EP 2006011540 W 20061201
- DE 102005057666 A 20051201

Abstract (en)

[origin: WO2007062857A1] Device (1) for treating an exhaust-gas flow (2), having at least one inflow passage (3) with a front region (4) and a rear region (5) and at least one return flow passage (6), wherein a first coating (7) is provided in the rear region (5) of the at least one inflow passage (3), said coating (7) assisting an exothermal reaction of the exhaust-gas flow (2), and means for the transfer of heat from a return flow passage (6) are formed in the front region (4) of the inflow passage (3). Furthermore, a corresponding method for operating a device (1) for treating an exhaust-gas flow (2) is also proposed.

IPC 8 full level

**F01N 3/20** (2006.01); **B01D 53/94** (2006.01); **F01N 3/035** (2006.01)

CPC (source: EP KR US)

**B01D 53/94** (2013.01 - KR); **B01D 53/9431** (2013.01 - EP US); **B01D 53/9454** (2013.01 - EP US); **B01D 53/9495** (2013.01 - EP US); **F01N 3/035** (2013.01 - EP KR US); **F01N 3/0814** (2013.01 - EP US); **F01N 3/0821** (2013.01 - EP US); **F01N 3/20** (2013.01 - EP KR US); **F01N 3/2053** (2013.01 - EP US); **F01N 3/2889** (2013.01 - EP US); **B01D 2251/2067** (2013.01 - EP US); **F01N 3/2066** (2013.01 - EP US); **F01N 2240/02** (2013.01 - EP US); **F01N 2410/02** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP US); **Y02T 10/12** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT PL

DOCDB simple family (publication)

**WO 2007062857 A1 20070607**; CN 101321936 A 20081210; CN 101321936 B 20111102; DE 102005057666 A1 20070712; EP 1957769 A1 20080820; EP 1957769 B1 20110525; ES 2365935 T3 20111013; JP 2009517589 A 20090430; JP 4988755 B2 20120801; KR 101048608 B1 20110712; KR 20080072755 A 20080806; PL 1957769 T3 20111031; RU 2008126397 A 20100110; RU 2431048 C2 20111010; US 2008271443 A1 20081106; US 7765802 B2 20100803

DOCDB simple family (application)

**EP 2006011540 W 20061201**; CN 200680045313 A 20061201; DE 102005057666 A 20051201; EP 06818941 A 20061201; ES 06818941 T 20061201; JP 2008542674 A 20061201; KR 20087015703 A 20061201; PL 06818941 T 20061201; RU 2008126397 A 20061201; US 13152708 A 20080602